

# REGIONAL QUALITY WEIGHTED AVERAGES

	<i>Winter rainfall area (Western Cape)</i>			<i>Summer rainfall area (Free State)</i>			<i>Irrigation areas</i>			<i>Other Summer rainfall and Irrigation areas</i>			<i>RSA average</i>		
<i>Individual samples n</i>	174			155			118			33			480		
<b>Regions</b>	1 - 6			21 - 28			7, 10 - 12, 14 - 20, 36			32 - 35			All		
<b>Hectolitre mass dirty, kg/hl</b>	79.3			80.0			80.6			79.8			79.9		
<b>1000 kernel mass (13 % mb), g</b>	39.9			38.4			38.6			40.6			39.1		
<b>Falling number, sec</b>	353			354			404			370			367		
<b>Screenings (1,8 mm), %</b>	2.02			1.25			1.75			1.00			1.63		
<b>Protein (12 % mb), % (ww)</b>	11.11			11.93			12.18			11.83			11.67		
<b>Mixogram peak time, min (Quadromat)</b>	2.5			3.3			2.6			3.1			2.9		
<i>Individual samples per class and grade, n</i>	<i>26</i>	<i>41</i>	<i>39</i>	<i>70</i>	<i>50</i>	<i>21</i>	<i>51</i>	<i>37</i>	<i>14</i>	<i>12</i>	<i>10</i>	<i>5</i>	<i>159</i>	<i>138</i>	<i>79</i>
	<i>21</i>	<i>35</i>	<i>12</i>	<i>7</i>	<i>7</i>	<i>0</i>	<i>2</i>	<i>12</i>	<i>2</i>	<i>0</i>	<i>4</i>	<i>2</i>	<i>30</i>	<i>58</i>	<i>16</i>
<i>Composite samples per class and grade, n = 100</i>	<i>B1</i>	<i>B2</i>	<i>B3</i>	<i>B1</i>	<i>B2</i>	<i>B3</i>	<i>B1</i>	<i>B2</i>	<i>B3</i>	<i>B1</i>	<i>B2</i>	<i>B3</i>	<i>B1</i>	<i>B2</i>	<i>B3</i>
	<i>B4</i>	<i>UT</i>	<i>COW</i>	<i>B4</i>	<i>UT</i>	<i>COW</i>	<i>B4</i>	<i>UT</i>	<i>COW</i>	<i>B4</i>	<i>UT</i>	<i>COW</i>	<i>B4</i>	<i>UT</i>	<i>COW</i>
<i>Composite samples, n</i>	<i>5</i>	<i>6</i>	<i>6</i>	<i>10</i>	<i>10</i>	<i>5</i>	<i>8</i>	<i>8</i>	<i>7</i>	<i>3</i>	<i>4</i>	<i>2</i>	<i>26</i>	<i>28</i>	<i>20</i>
	<i>5</i>	<i>4</i>	<i>3</i>	<i>1</i>	<i>3</i>	<i>1</i>	<i>4</i>	<i>3</i>	<i>0</i>	<i>0</i>	<i>1</i>	<i>1</i>	<i>10</i>	<i>11</i>	<i>5</i>
<b>Bühler extraction, %</b>	74.4	73.8	74.6	75.2	76.2	75.8	74.2	74.1	73.7	75.8	76.1	76.5	74.8	75.1	74.8
	74.5	74.4	73.4	73.9	75.7	73.8	73.0	74.1	-	-	76.7	76.5	73.8	74.9	74.1
<b>Flour colour, KJ</b>	-2.2	-2.2	-2.2	-2.3	-2.4	-2.4	-2.2	-2.2	-2.2	-2.0	-2.2	-2.2	-2.2	-2.3	-2.3
	-2.3	-2.4	-1.8	-2.4	-1.9	-1.9	-2.1	-2.3	-	-	-1.9	-1.8	-2.2	-2.2	-1.7
<b>Farinogram:</b>	62.3	60.9	60.5	62.1	61.0	60.6	62.9	62.3	60.9	61.0	60.4	59.0	62.3	61.3	60.5
<b>Water absorption, %</b>	59.6	60.7	58.2	56.4	60.9	59.6	59.7	60.0	-	-	60.6	57.4	59.3	60.6	58.3
<b>Farinogram:</b>	4.1	3.5	2.8	4.8	3.7	3.4	5.0	2.9	2.7	5.6	3.6	3.0	4.8	3.4	2.9
<b>Development time, min</b>	2.1	3.1	2.3	1.8	5.2	4.7	1.9	3.2	-	-	3.0	1.9	2.0	3.7	2.7
<b>Alveogram:</b>	37.4	33.9	29.2	40.1	33.0	31.8	48.1	43.4	37.4	43.3	35.6	29.1	42.4	36.5	32.7
<b>Strength (S), cm<sup>2</sup></b>	25.3	28.9	24.8	22.0	44.0	31.8	25.3	35.2	-	-	35.6	27.8	25.0	35.3	26.8
<b>Alveogram:</b>	1.00	1.02	1.21	0.84	0.84	1.09	1.37	1.76	1.70	0.85	0.75	0.84	1.04	1.13	1.31
<b>P/L</b>	1.44	1.15	0.57	0.55	0.75	0.73	2.56	1.07	-	-	0.66	0.62	1.80	0.97	0.61
<b>Extensogram:</b>	75	70	59	92	83	73	107	98	88	112	89	73	96	85	74
<b>Strength, cm<sup>2</sup></b>	57	62	60	56	121	91	68	82	-	-	104	85	61	87	71
<b>Mixogram peak time, min</b>	2.3	2.4	2.4	2.4	2.4	2.5	2.8	3.0	3.1	2.9	2.7	2.5	2.6	2.6	2.7
	2.6	2.3	2.6	2.5	2.7	2.7	3.1	2.6	-	-	2.7	3.3	2.8	2.5	2.8
<b>Relationship between protein and bread volume</b>	VG	EX	EX	EX	EX	VG	VG	VG	EX	VG	EX	EX	VG	EX	EX
	EX	EX	EX	EX	VG	VG	VG	EX	-	-	EX	EX	EX	EX	EX

EX = Excellent    VG = Very Good